

# SETHNESS PRODUCTS COMPANY

## LF320

### POWDERED CARAMEL COLOR CLASS IV – E150d SPECIFICATION

<b>Description</b>	According to Title 21 CFR 73.85, the color additive Caramel is the dark brown liquid or solid material resulting from the carefully controlled heat treatment of food-grade carbohydrates. Certain food-grade acids, alkalis and salts may be employed to assist caramelization. This product is GRAS (21 CFR 182.1235).		
<b>Ingredient Statement</b>	Caramel Color, Caramel, Caramel Color (100%) or Caramel (100%)		
<b>Organoleptic Properties</b>	Characteristic bitter, burnt sugar taste.		
<b>GMO Status</b>	This product is GMO-free by test (PCR negative). This Caramel Color is produced with genetically engineered components.		
<b>Chemical/Physical Properties (as manufactured)</b>	<b>Property</b>	<b>Range</b>	
	Tinctorial Power, $K_{0.56}$ (560nm)	0.290-0.340	
	pH, 1% w/v solution	3.8-4.3	
	Moisture, % max.	3.0	
	Particle size, % through #100 U.S. Standard Sieve, min.	90	
	Color Intensity (typical) (610nm)	0.160-0.200	
	4-Methylimidazole (4-MeI), ppm	<50	
<b>Microbiological Properties</b>	<b>Test</b>	<b>Unit</b>	<b>Limit</b>
	Aerobic Plate Count (APC)	cfu/g, max.	1000
	Yeast	cfu/g, max.	20
	Mold	cfu/g, max.	20
	E. coli	MPN/g	<3
	Salmonella	cfu/375 g	Negative
<b>Packaging</b>	50 pound cartons		
<b>Storage Conditions</b>	The product should be stored in tightly closed containers in a cool and dry environment, preferably not to exceed 90°F.		
<b>Shelf-life</b>	Three year minimum		
<b>Good Manufacturing Practice</b>	Rotate inventory and maintain stock no longer than one year.		

Please see corresponding Nutritional document for additional information.

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